

WHAT IS CLAIMED IS:

1 1. A quilting machine for quilting cloth, comprising:
2 a frame composed of a first upper beam, arranged
3 horizontally above a cloth to be quilted, and of a second
4 lower beam arranged below said cloth; at least one stitcher
5 having a sewing head and a hook assembly; carriages for
6 supporting respectively said sewing head and said hook
7 assembly; said carriages being movable along said beams;
8 guide means provided at said beams for guiding said
9 carriages during movement thereof; and driving linear
10 motors having inductor elements, which are arranged at said
11 upper beam and lower beam respectively, and armature
12 windings which are arranged at said carriages that support
13 said sewing head and said hook assembly respectively, said
14 linear motors driving said carriages for movement along
15 said beams.

1 2. The quilting machine of claim 1, comprising:
2 electrical motors for driving the sewing heads and the hook
3 assemblies; power stages; and a computerized numeric
4 control unit CNC, said armature windings of the linear
5 motors and said electrical motors that drive the sewing
6 head and the hook assembly being powered by way of said
7 power stages which are controlled by said computerized
8 numeric control unit.

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